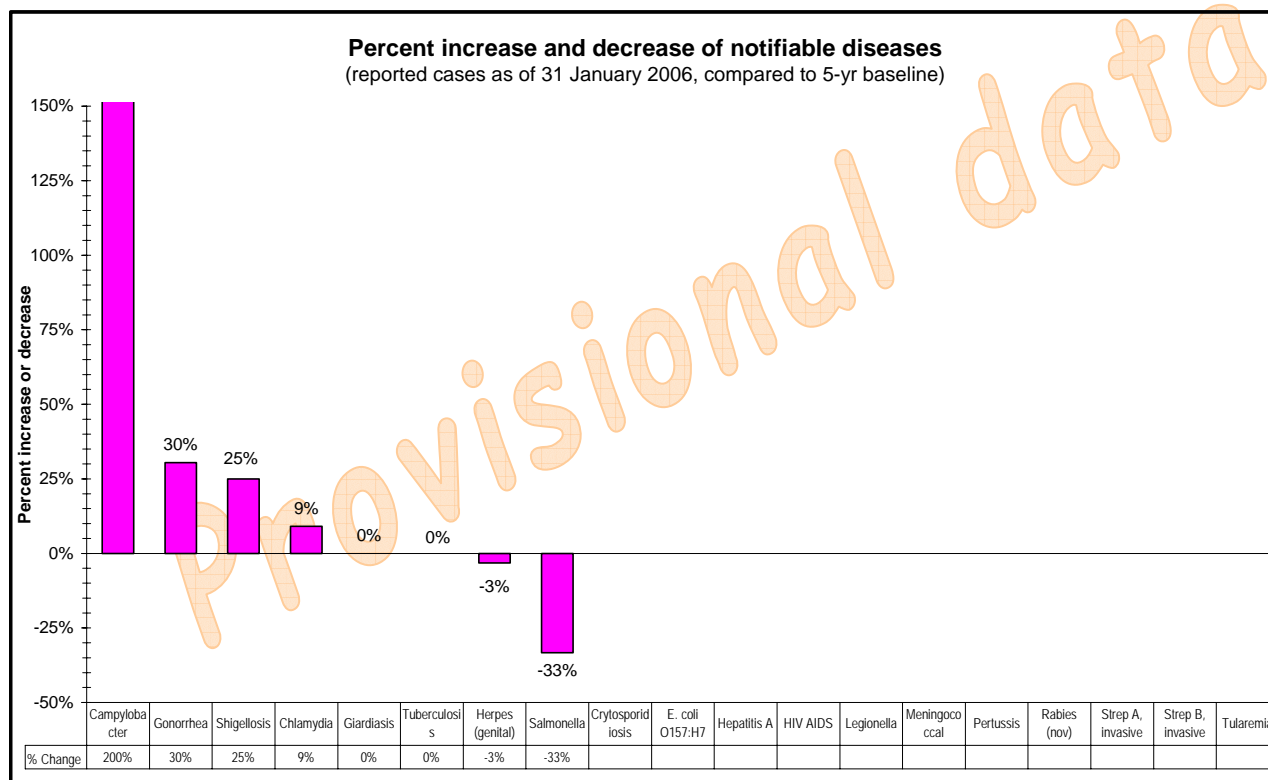


**SOUTH DAKOTA INFECTIOUS DISEASE SUMMARY: 1 January – 31 January 2006****These data are provisional.**Year-to-date on 31 January 2006, increases  $\geq 50\%$  were observed over 5-year median for Campylobacteriosis (+50%).

Disease/agent	Cases YTD 1/31/06	Incidence YTD 1/31/06	5-year median cases	Percent increase / decrease	Comments
Campylobacter	15	1.9	5	200%	Highest rate in Central Region
Gonorrhea	30	3.9	23	30%	Highest rate in Central Region
Shigellosis	5	0.6	4	25%	Highest rate in Central Region
Chlamydia	205	26.6	188	9%	Highest rate in Western Region
Giardiasis	3	0.4	3	0%	3 cases in 3 counties
Tuberculosis	2	0.3	2	0%	2 cases in 2 counties
Herpes (genital)	30	3.9	31	-3%	Highest incidence in Southeast Region
Salmonella	6	0.8	9	-33%	6 cases in 6 counties
Hepatitis A	1	0.1	0	--	1 case reported
Cryptosporidiosis	0	0.0	1	--	No cases reported in January 2006
<i>E. coli</i> O157:H7	0	0.0	0	--	No cases reported in January 2006
HIV AIDS	0	0.0	2	--	No cases reported in January 2006
Meningococcal	0	0.0	0	--	No cases reported in January 2006
Pertussis	0	0.0	1	--	No cases reported in January 2006
<i>Strep A</i> , invasive	0	0.0	1	--	No cases reported in January 2006
<i>Strep B</i> , invasive	0	0.0	2	--	No cases reported in January 2006
Tularemia	0	0.0	0	--	No cases reported in January 2006
Rabies (2005)		NA			42+ skunks, 14+ cattle, 5+ horses, 2+ bats, 2+ dogs, 2+ cats

Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>

Incidence = cases reported per 100,000 population.

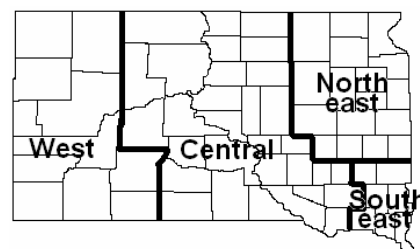
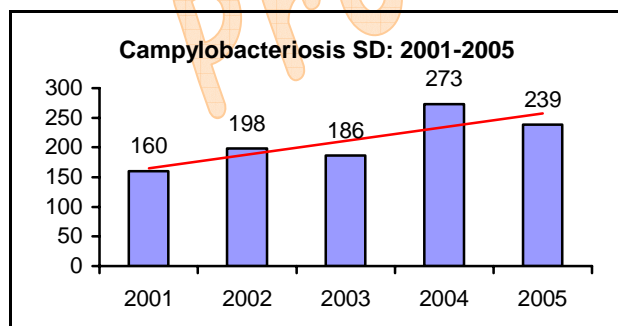
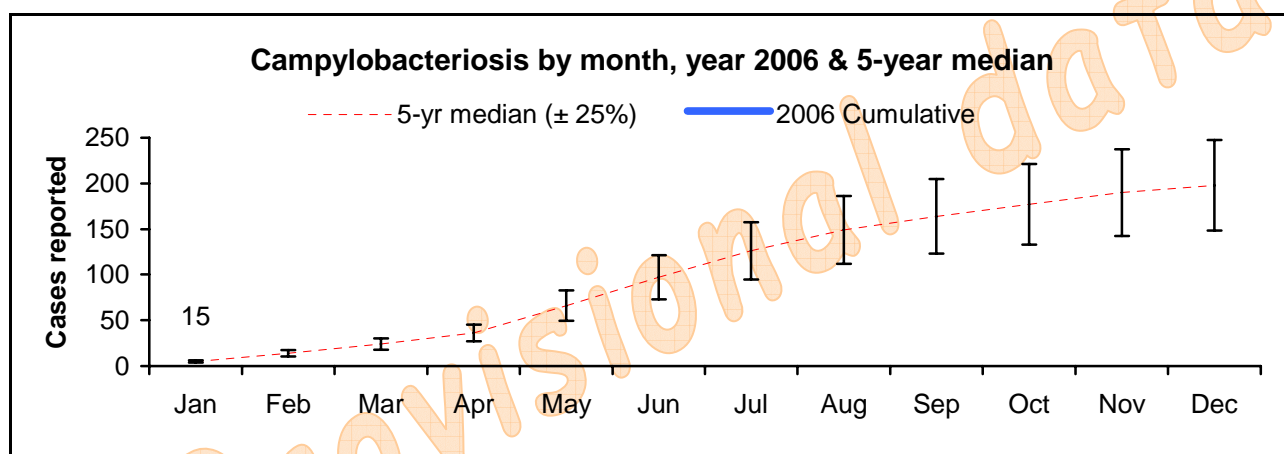
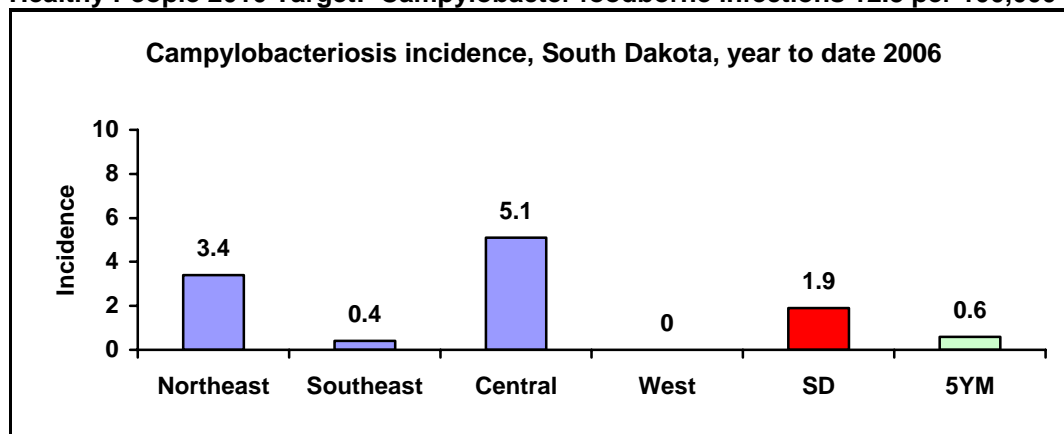
**\*Confidential disease reporting line 1-800-592-1804**

5YM= 5-year median

**Population based on 2003 estimates**

CAMPYLOBACTERIOSIS		#		
REGION	Pop	cases	Incidence	Jan
NorthEast Region	176,361	6	3.4	6
SouthEast Region	248,114	1	0.4	1
Central Region	158,182	8	5.1	8
Western Region	188,226	0	0.0	0
West River	233,472	1	0.4	1
East River	537,411	14	2.6	14
South Dakota YTD	770,883	15	1.9	15

Healthy People 2010 Target: Campylobacter foodborne infections 12.3 per 100,000 per year



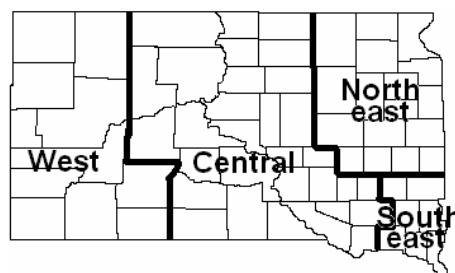
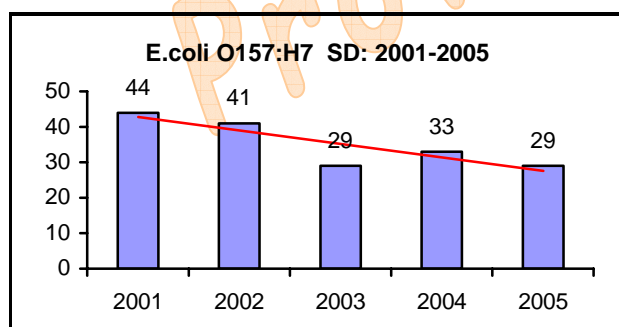
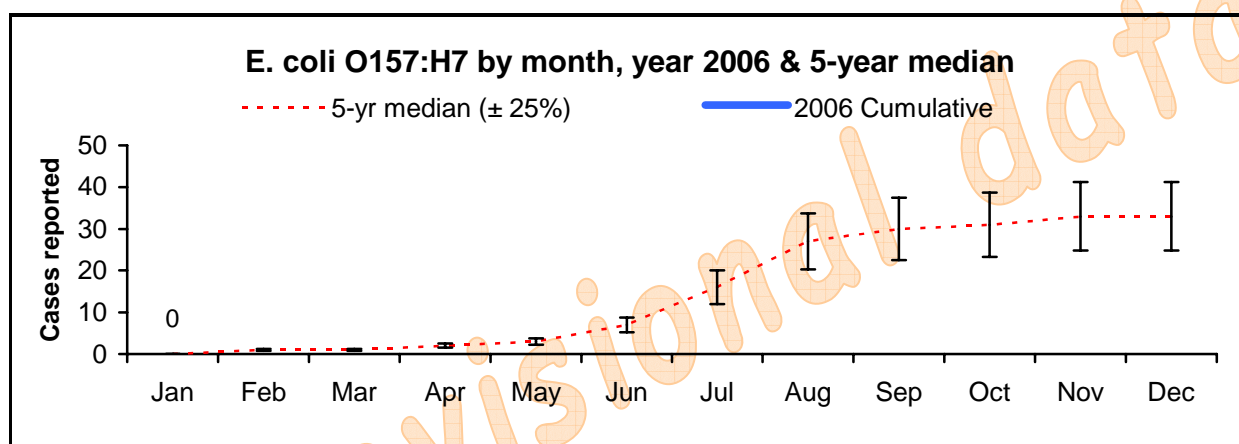
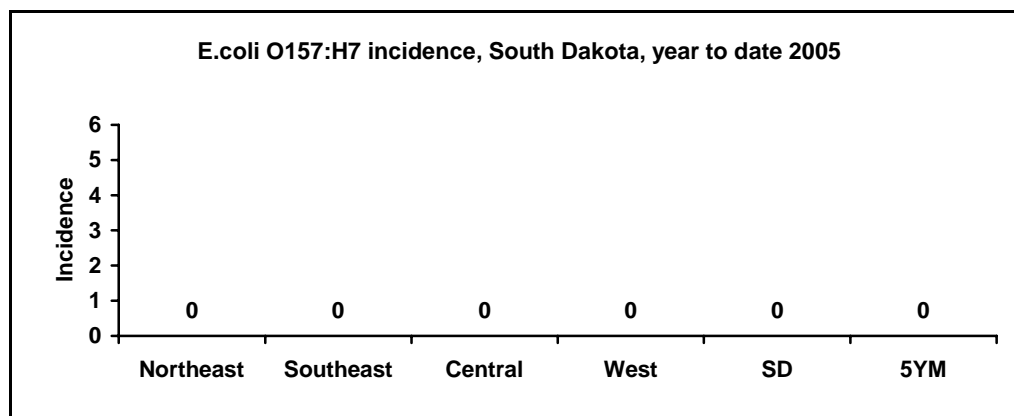
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

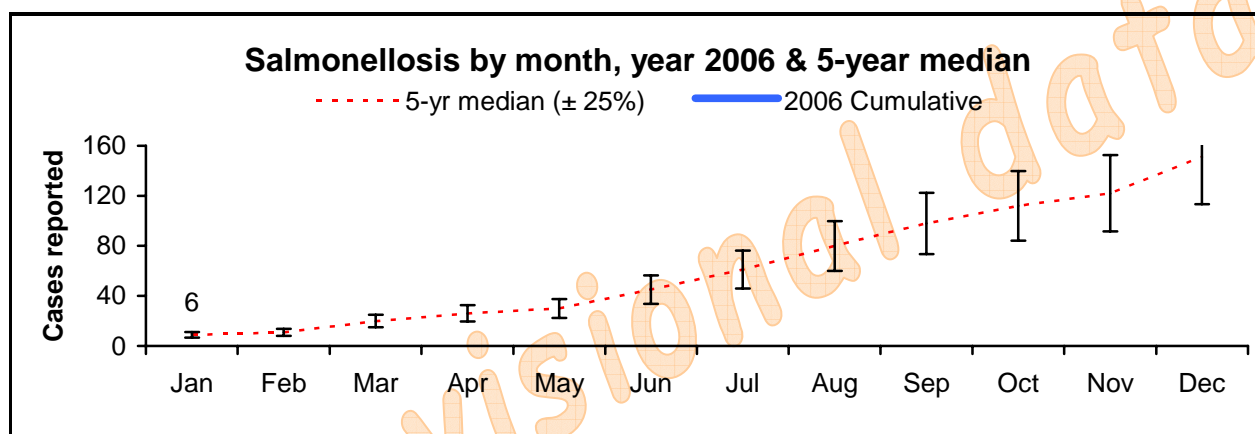
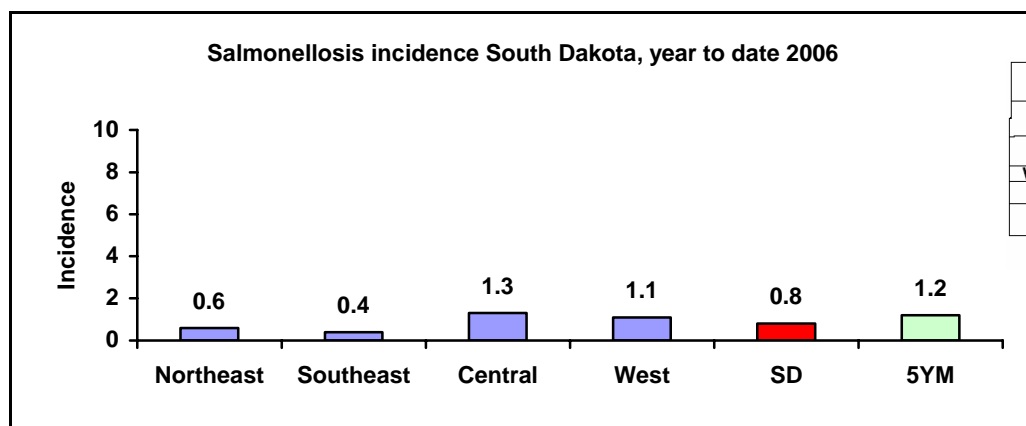
5YM= 5-year median

Population based on 2003 estimates

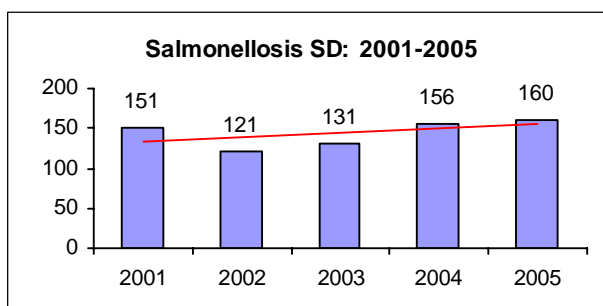
<b>E. coli O157:H7</b>		<b>#</b>		<b>Jan</b>
<b>REGION</b>	<b>Pop</b>	<b>cases</b>	<b>Incidence</b>	
<b>NorthEast Region</b>	176,361	0	0.0	0
<b>SouthEast Region</b>	248,114	0	0.0	0
<b>Central Region</b>	158,182	0	0.0	0
<b>Western Region</b>	188,226	0	0.0	0
<b>West River</b>	233,472	0	0.0	0
<b>East River</b>	537,411	0	0.0	0
<b>South Dakota YTD</b>	<b>770,883</b>	<b>0</b>	<b>0.0</b>	<b>0</b>



SALMONELLOSIS		#		
REGION	Pop	cases	Incidence	Jan
NorthEast Region	176,361	1	0.6	1
SouthEast Region	248,114	1	0.4	1
Central Region	158,182	2	1.3	2
Western Region	188,226	2	1.1	2
West River	233,472	2	0.9	2
East River	537,411	4	0.7	4
South Dakota YTD	770,883	6	0.8	6

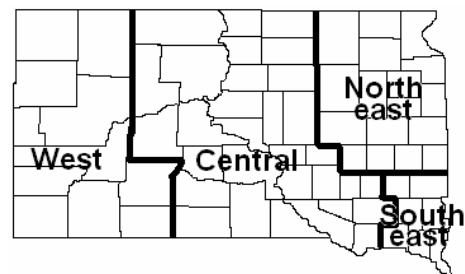
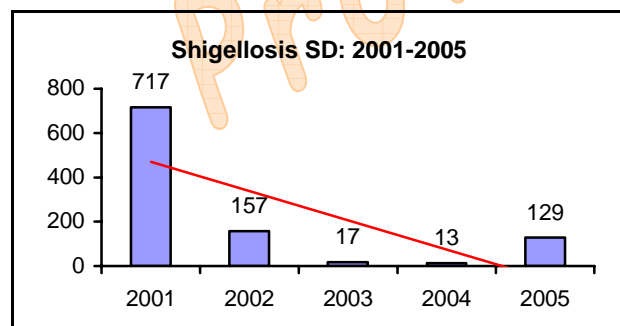
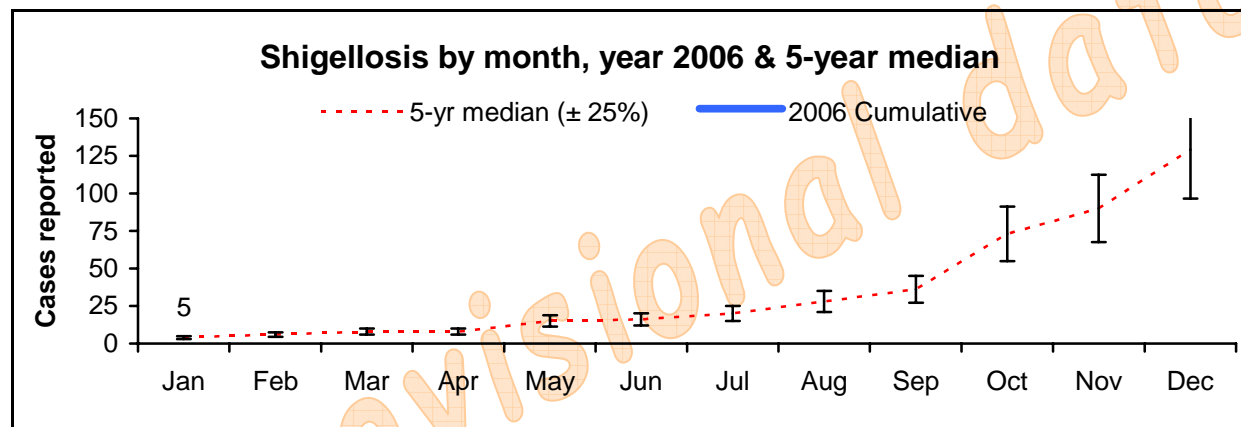
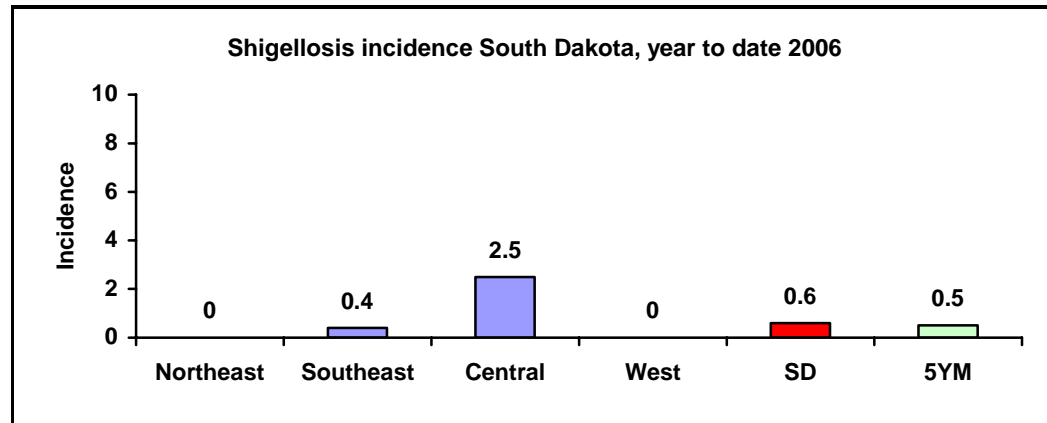


Salmonella serotype	TOTAL
S. enteritidis	2
S. muenchen	1
S. stanley	1
S. typhimurium	2
Other serotypes	--
<b>TOTAL</b>	<b>6</b>



SHIGELLOSIS		#		
REGION	Pop	cases	Incidence	Jan
NorthEast Region	176,361	0	0.0	0
SouthEast Region	248,114	1	0.4	1
Central Region	158,182	4	2.5	4
Western Region	188,226	0	0.0	0
West River	233,472	3	1.3	3
East River	537,411	2	0.4	2
South Dakota YTD	770,883	5	0.6	5

**Shigella species:** All *Shigella sonnei*



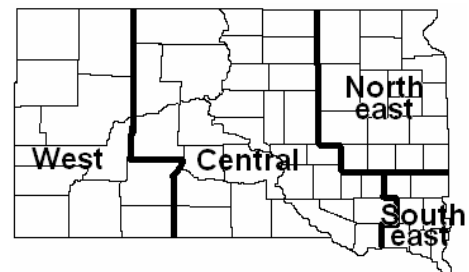
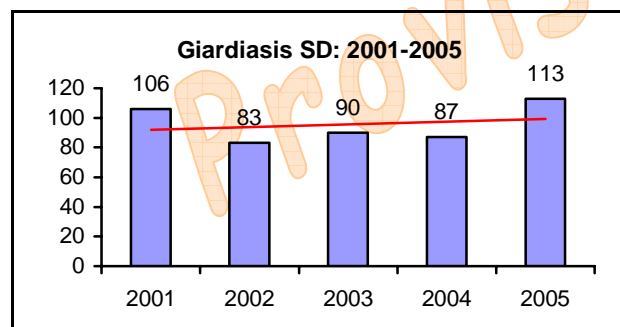
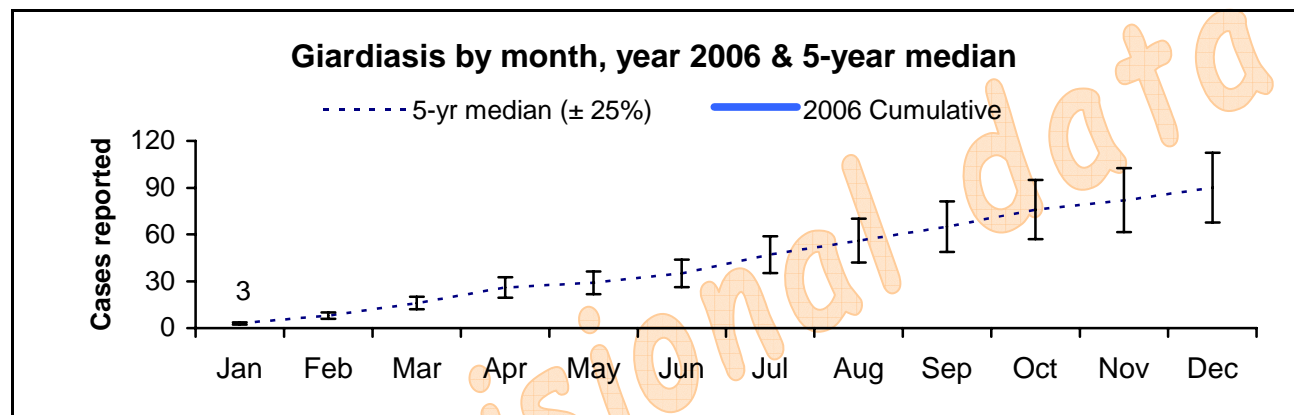
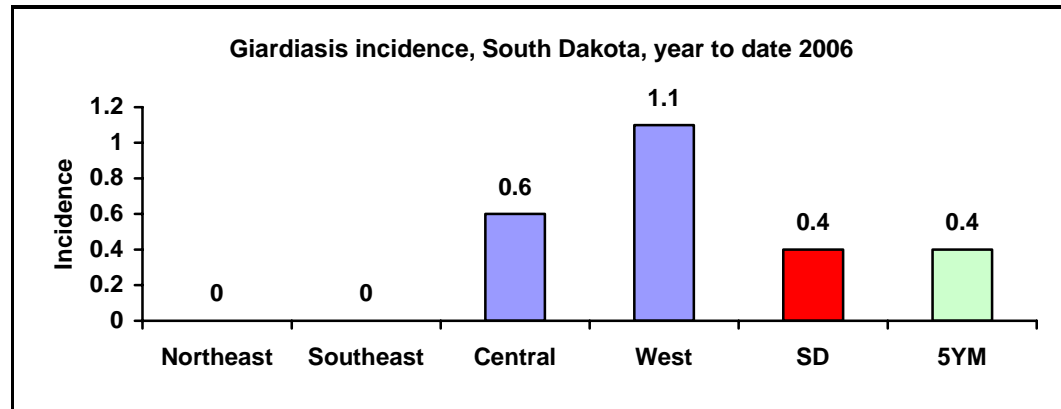
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

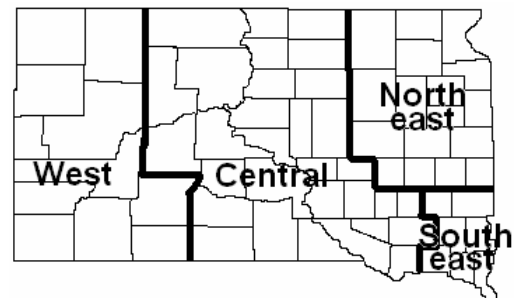
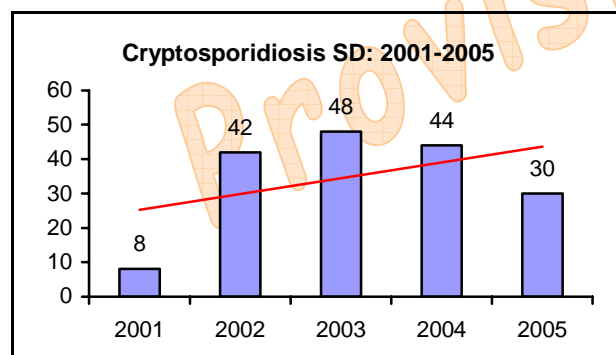
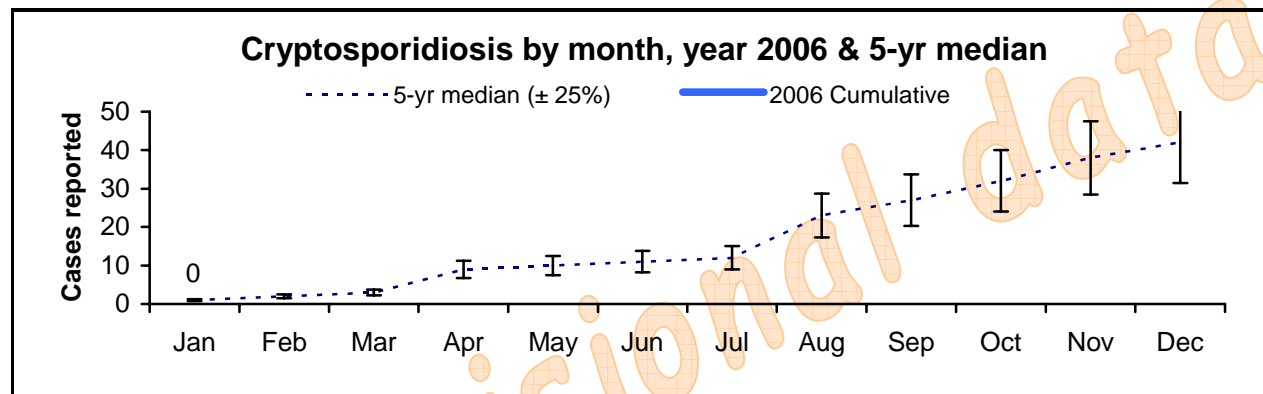
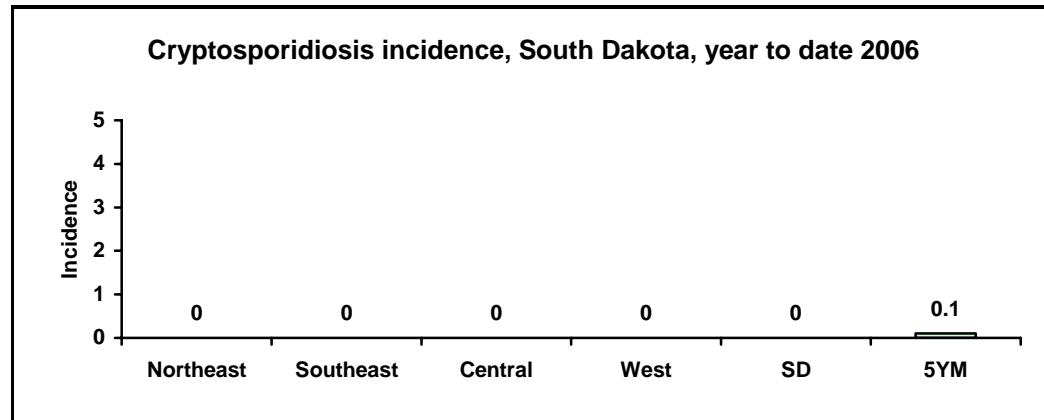
5YM= 5-year median

Population based on 2003 estimates

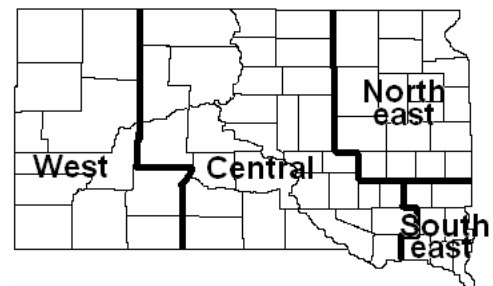
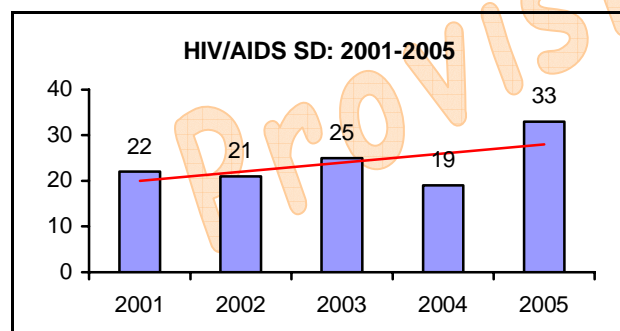
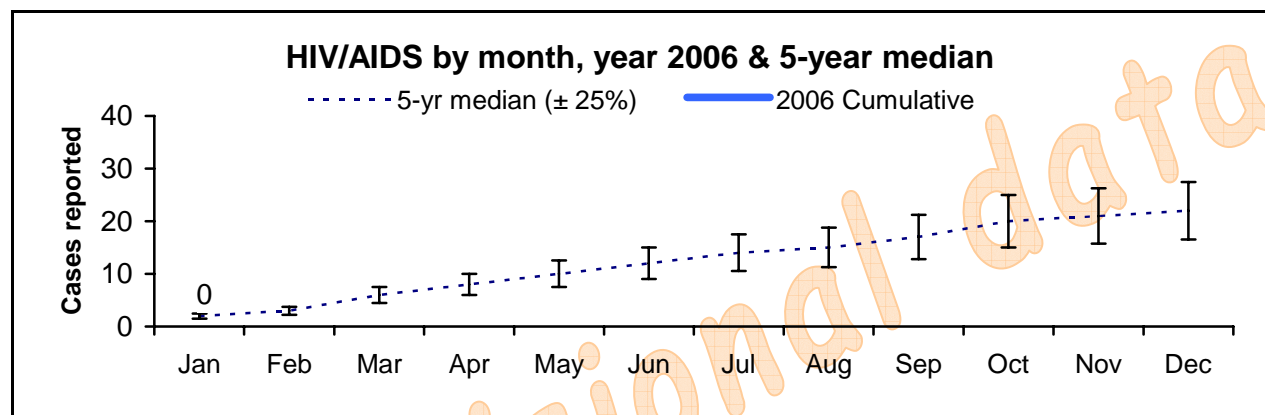
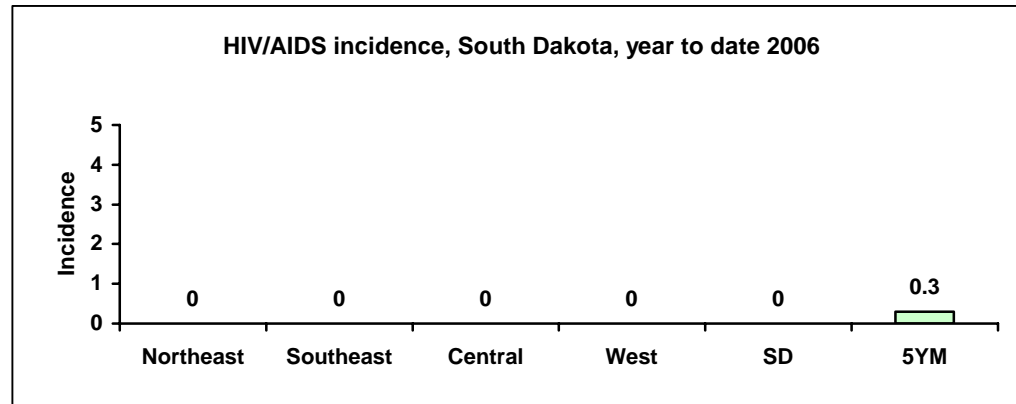
GIARDIASIS				
REGION	Pop	# cases	Incidence	Jan
NorthEast Region	176,361	0	0.0	0
SouthEast Region	248,114	0	0.0	0
Central Region	158,182	1	0.6	1
Western Region	188,226	2	1.1	2
West River	233,472	2	0.9	2
East River	537,411	1	0.2	1
South Dakota YTD	770,883	3	0.4	3



CRYPTOSPORIDIOSIS		#		
REGION	Pop	cases	Incidence	Jan
NorthEast Region	176,361	0	0.0	0
SouthEast Region	248,114	0	0.0	0
Central Region	158,182	0	0.0	0
Western Region	188,226	0	0.0	0
West River	233,472	0	0.0	0
East River	537,411	0	0.0	0
South Dakota YTD	770,883	0	0.0	0



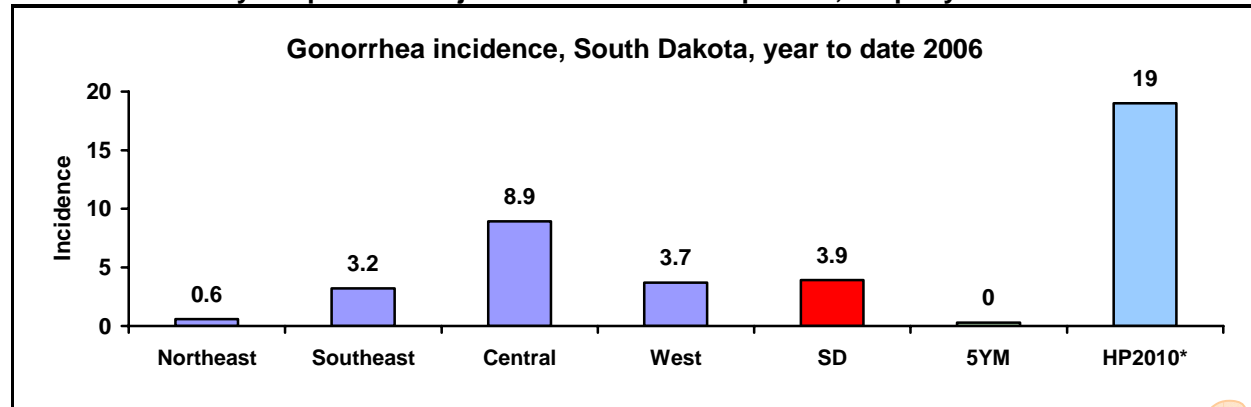
HIV / AIDS			
REGION	Pop	# cases	Incidence
NorthEast Region	176,361	0	0.0
SouthEast Region	248,114	0	0.0
Central Region	158,182	0	0.0
Western Region	188,226	0	0.0
South Dakota YTD	770,883	0	0.0



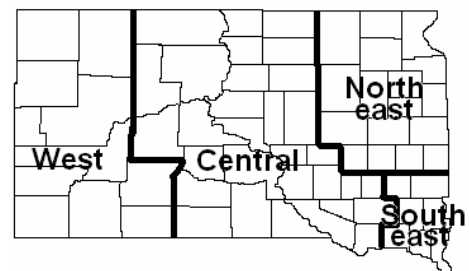
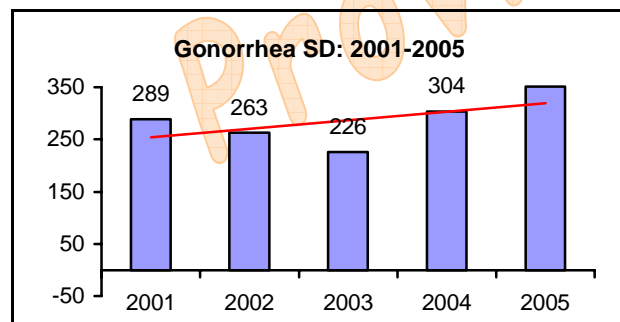
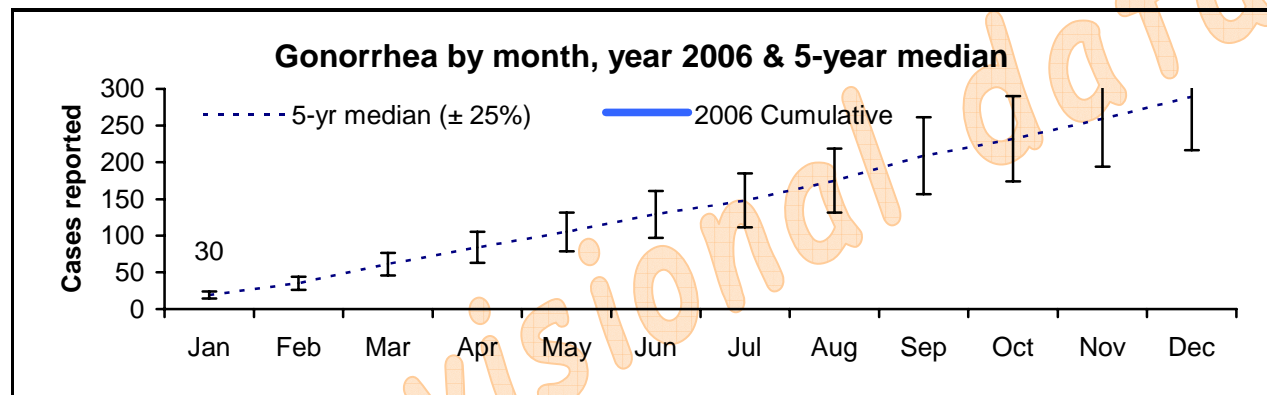


GONORRHEA				
REGION	Pop	# cases	Incidence	Jan
NorthEast Region	176,361	1	0.6	1
SouthEast Region	248,114	8	3.2	8
Central Region	158,182	14	8.9	14
Western Region	188,226	7	3.7	7
West River	233,472	17	7.3	17
East River	537,411	13	2.4	13
South Dakota YTD	770,883	30	3.9	30

Gonorrhea Healthy People 2010 Objective: 19 new cases per 100,000 per year



\*Healthy People 2010 Objective for full year.



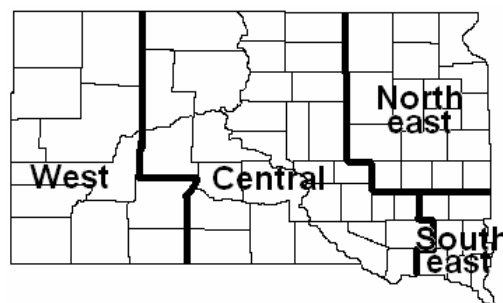
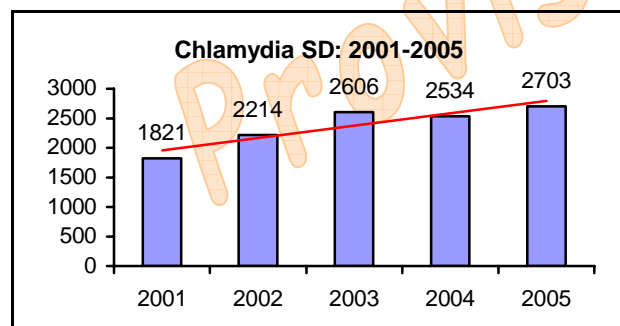
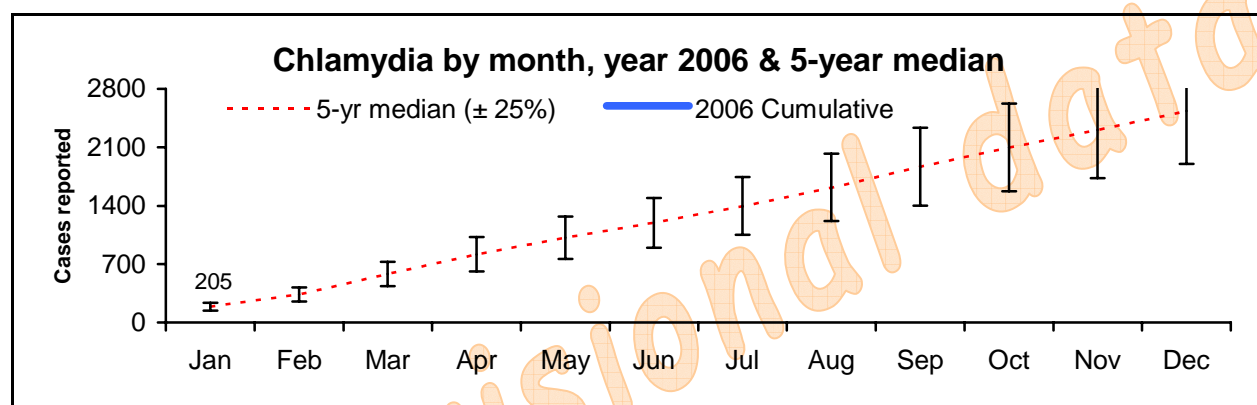
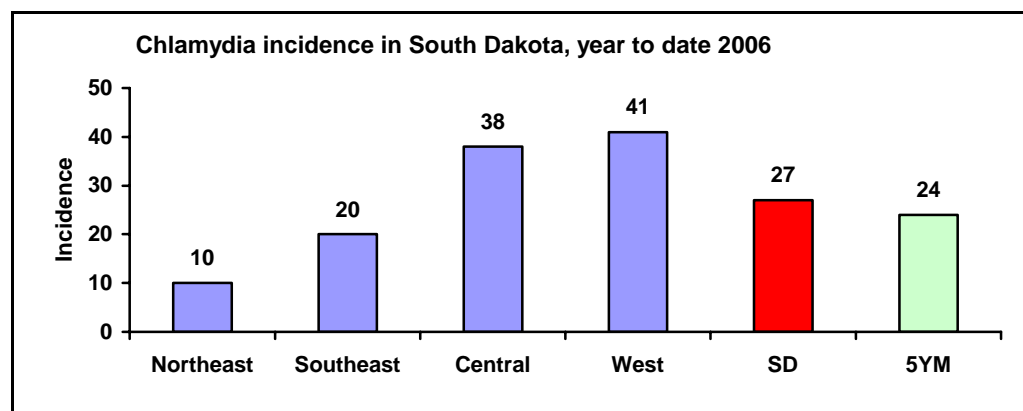
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

CHLAMYDIA trachomatis		#		
REGION	Pop	cases	Incidence	Jan
NorthEast Region	176,361	18	10.2	18
SouthEast Region	248,114	50	20.2	50
Central Region	158,182	60	37.9	60
Western Region	188,226	77	40.9	77
West River	233,472	111	47.5	111
East River	537,411	94	17.5	94
South Dakota YTD	770,883	205	26.6	205



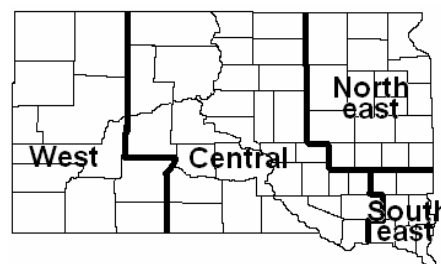
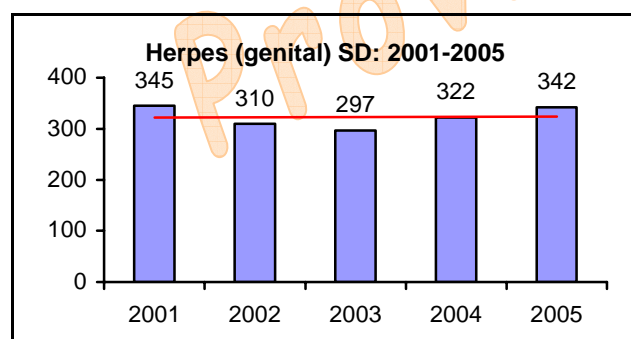
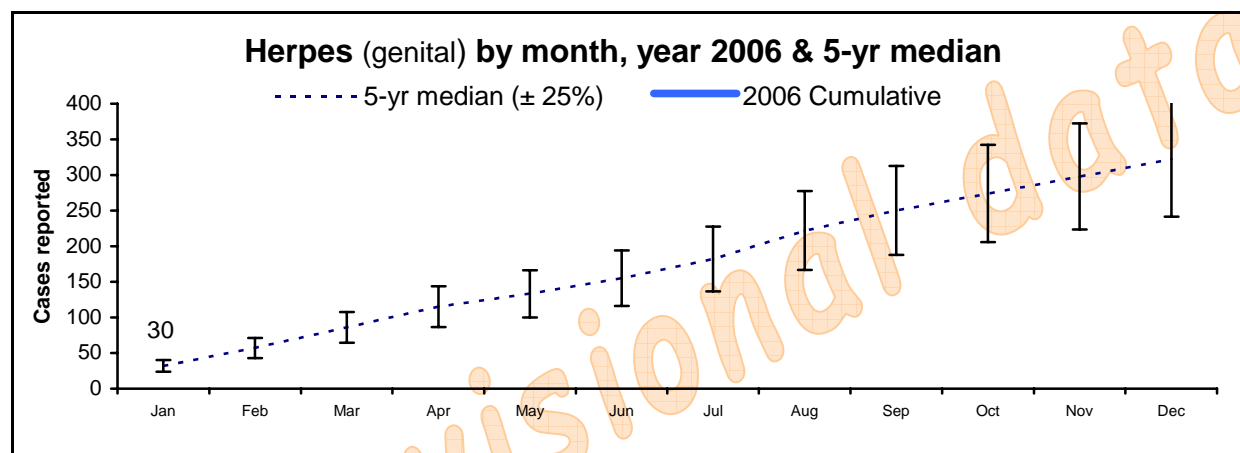
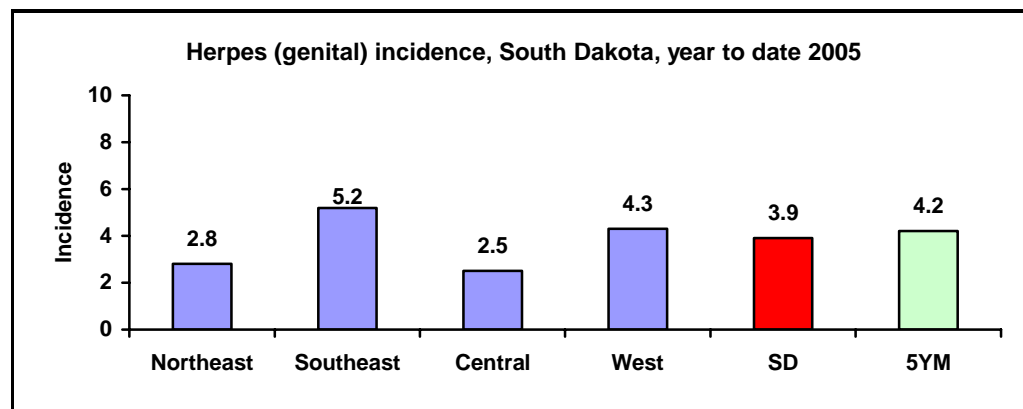
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

HERPES genital/neonatal		#		
REGION	Pop	cases	Incidence	Jan
NorthEast Region	176,361	5	2.8	5
SouthEast Region	248,114	13	5.2	13
Central Region	158,182	4	2.5	4
Western Region	188,226	8	4.3	8
West River	233,472	9	3.9	9
East River	537,411	21	3.9	21
South Dakota YTD	770,883	30	3.9	30



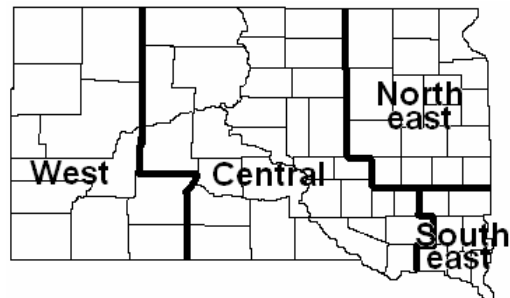
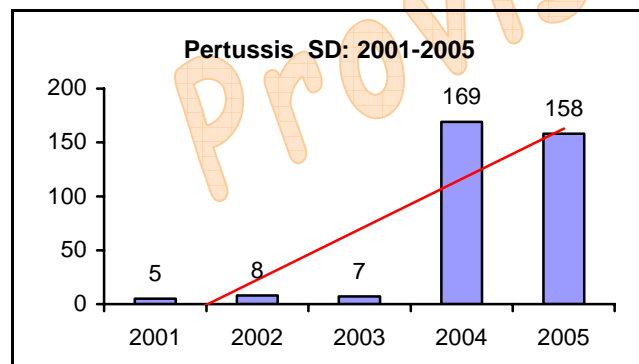
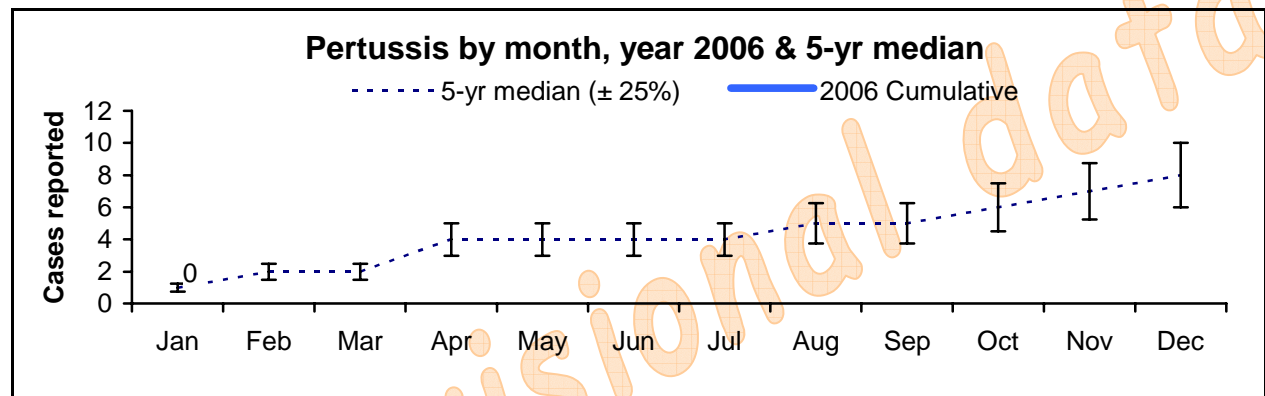
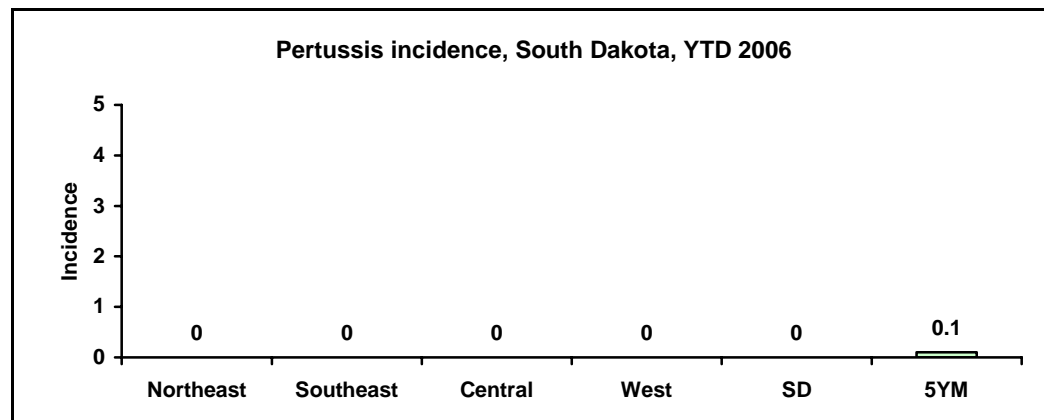
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

PERTUSSIS				
REGION	Pop	# cases	Incidence	Jan
NorthEast Region	176,361	0	0.0	0
SouthEast Region	248,114	0	0.0	0
Central Region	158,182	0	0.0	0
Western Region	188,226	0	0.0	0
West River	233,472	0	0.0	0
East River	537,411	0	0.0	0
South Dakota YTD	770,883	0	0.0	0



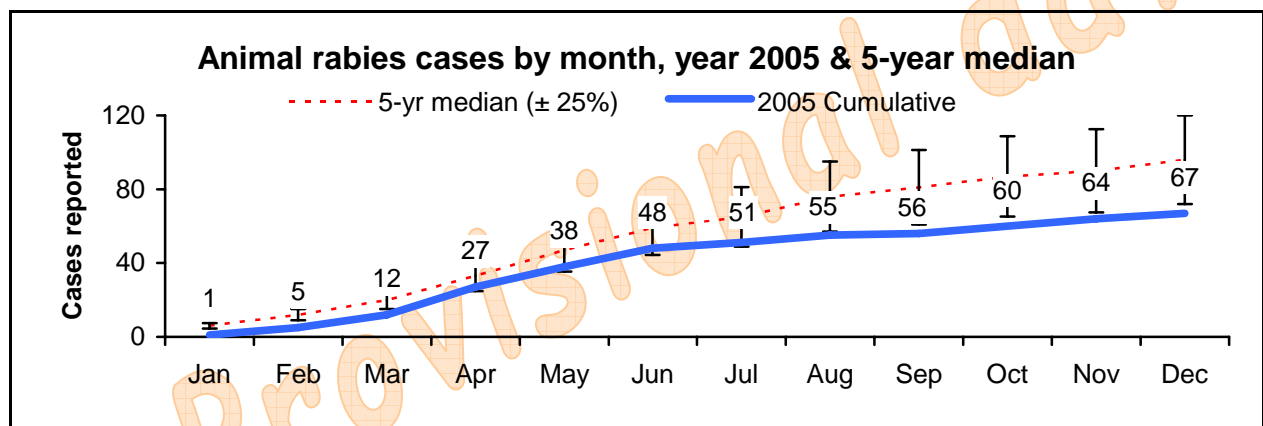
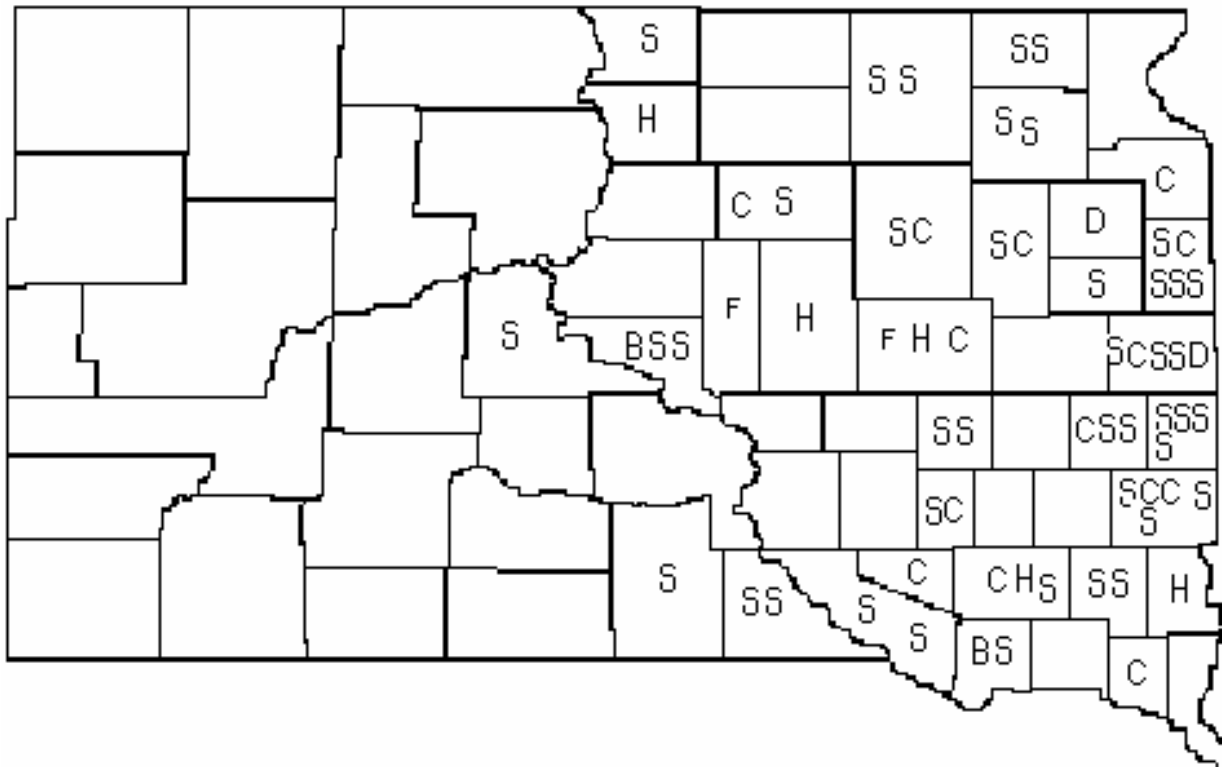
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

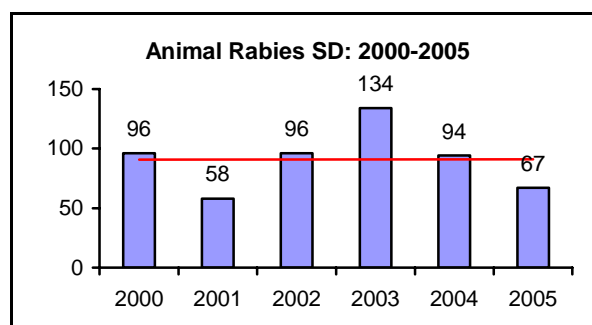
Population based on 2003 estimates

### Animal Rabies in South Dakota, 1 January – 31 December 2005.



As of 31 December 2005

Animal	Number Positive
Bat (B)	2
Cattle (C)	14
Dog (D)	2
Horse (H)	5
Cat (F)	2
Skunk (S)	42
Raccoon (R)	0
Other*	0
<b>Total</b>	<b>67</b>



\*Other animals tested: badger, goat, coyote, deer, ferret, fox, gopher, meadow vole, mink, mouse, opossum, rabbit, sheep, squirrel, tiger, wolf and woodchuck.

Incidence = cases reported per 100,000 population.

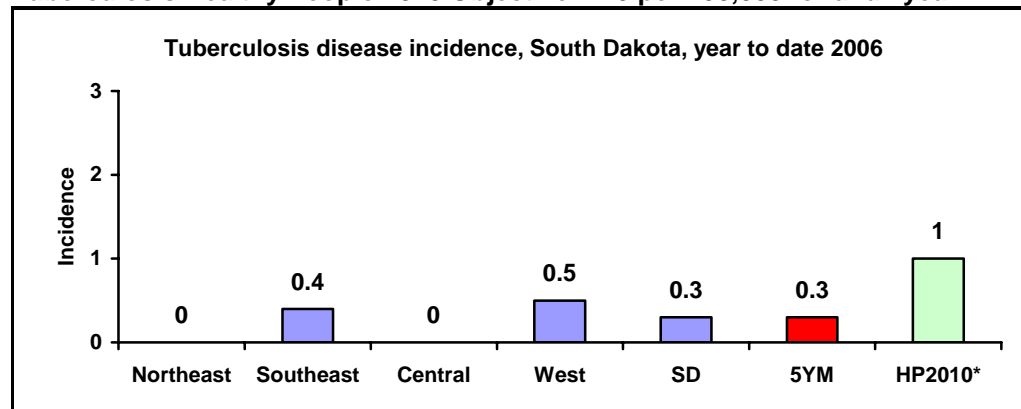
\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

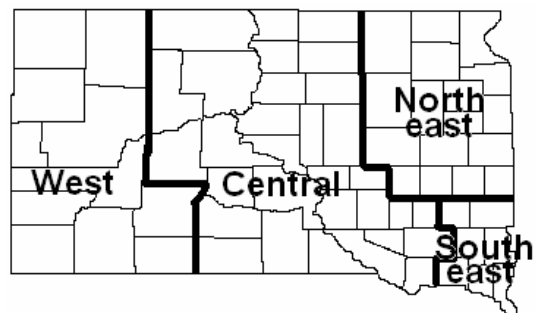
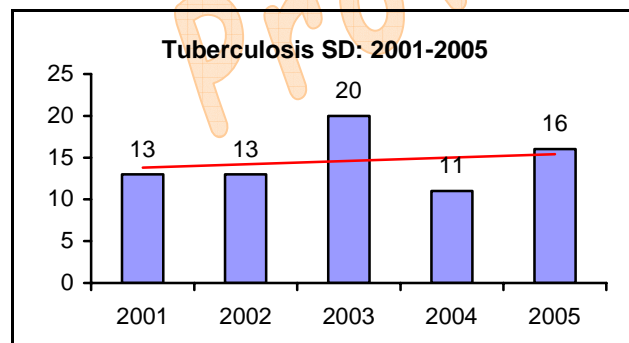
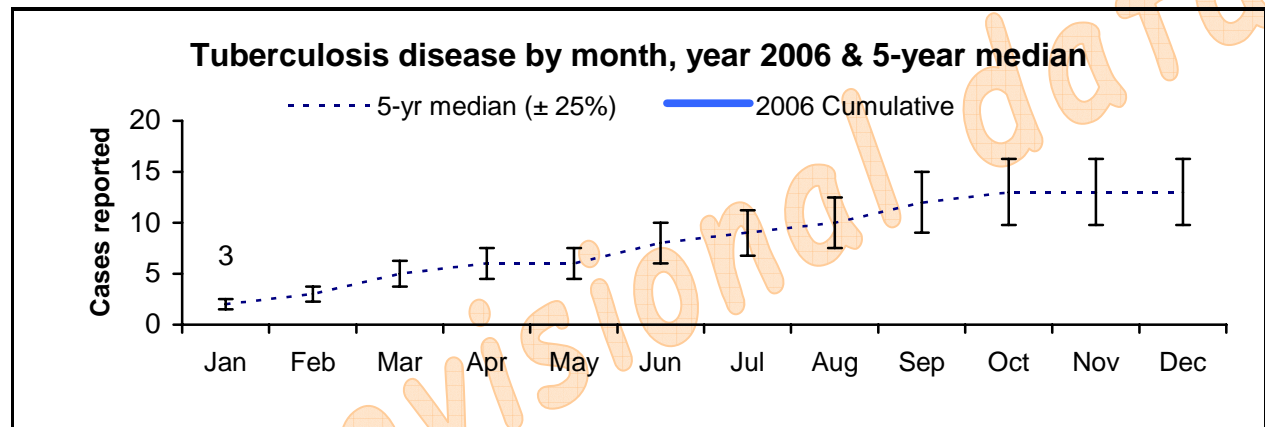
Population based on 2003 estimates

TUBERCULOSIS DISEASE		#		
REGION	Pop	cases	Incidence	Jan
NorthEast Region	176,361	0	0.0	0
SouthEast Region	248,114	1	0.4	1
Central Region	158,182	0	0.0	0
Western Region	188,226	1	0.5	1
West River	233,472	1	0.4	1
East River	537,411	1	0.2	1
South Dakota YTD	770,883	2	0.3	2

Tuberculosis Healthy People 2010 Objective: 1.0 per 100,000 for a full year.



\*Healthy People 2010 Objective for full year.



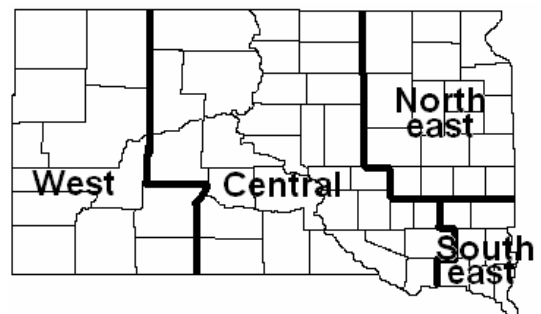
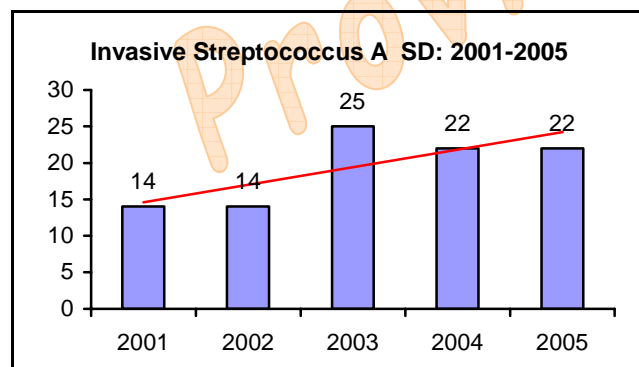
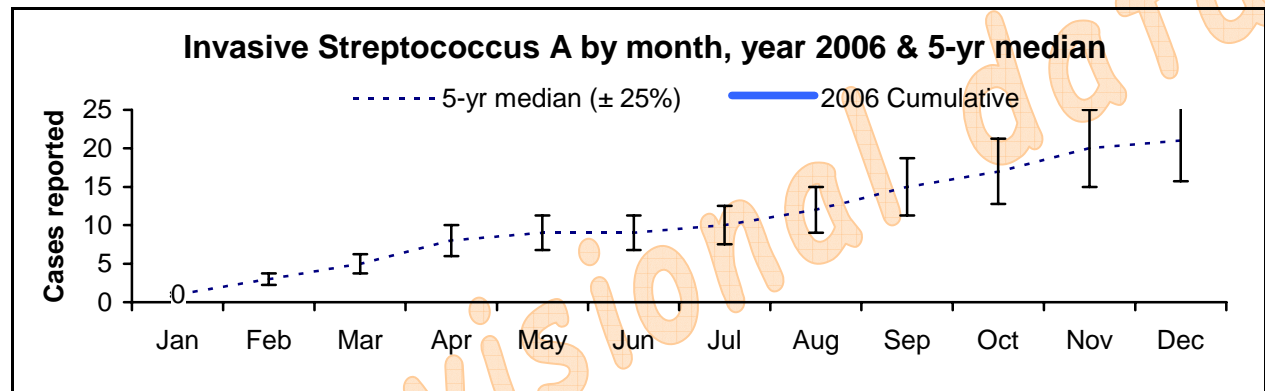
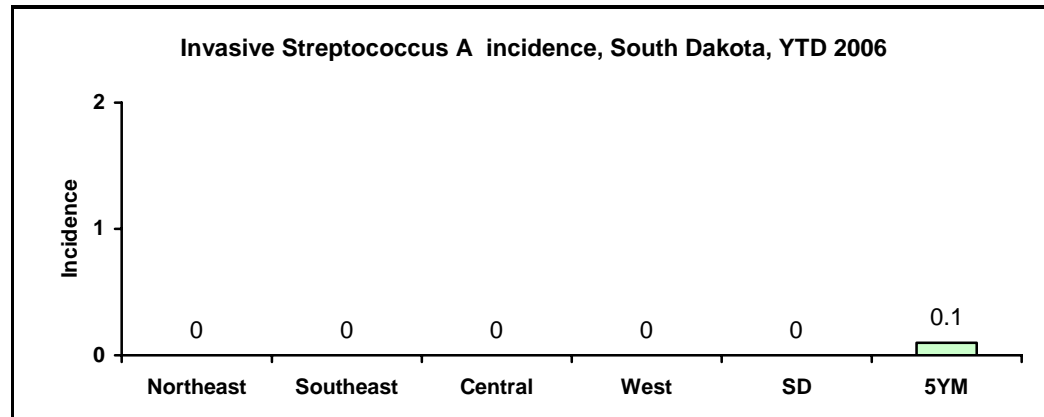
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

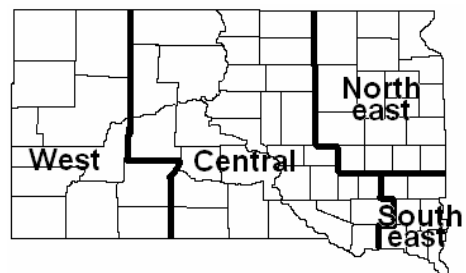
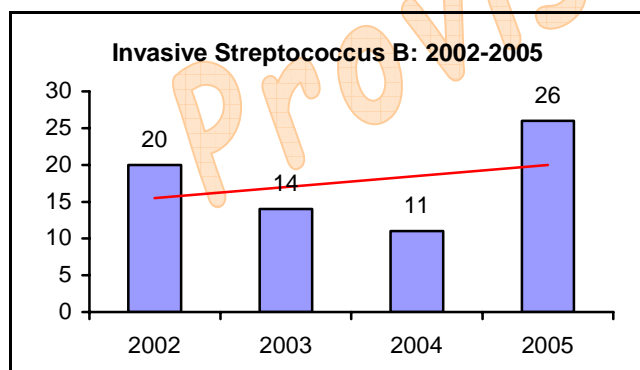
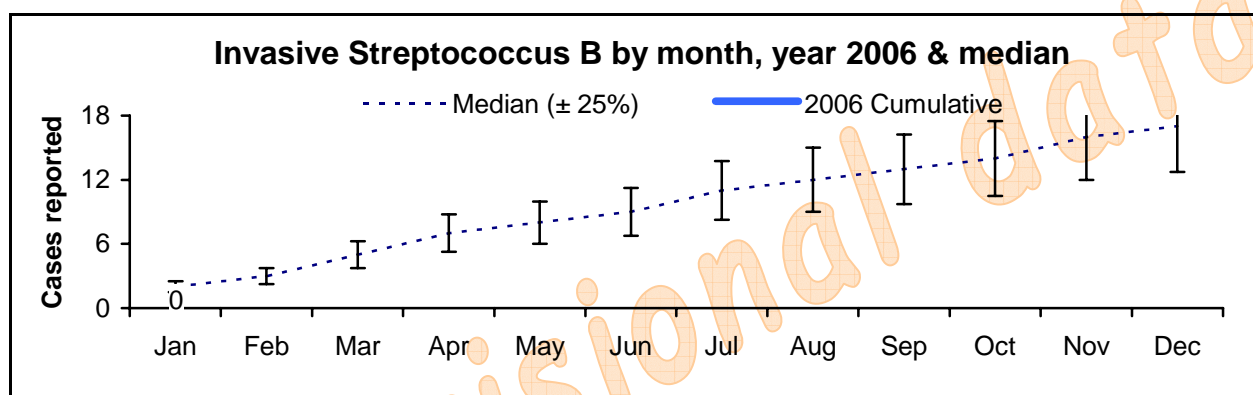
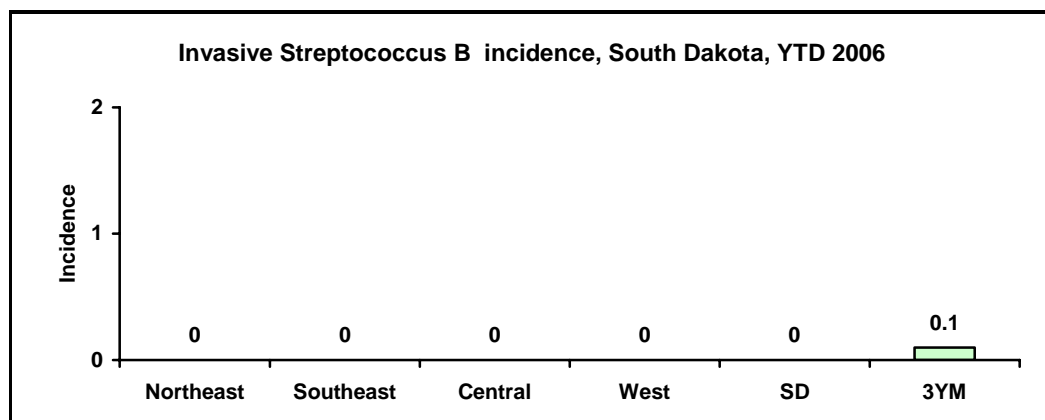
5YM= 5-year median

Population based on 2003 estimates

STREPTOCOCCUS GROUP A, Invasive				
REGION	Pop	# cases	Incidence	Jan
NorthEast Region	176,361	0	0.0	0
SouthEast Region	248,114	0	0.0	0
Central Region	158,182	0	0.0	0
Western Region	188,226	0	0.0	0
West River	233,472	0	0.0	0
East River	537,411	0	0.0	0
South Dakota YTD	770,883	0	0.0	0



STREPTOCOCCUS GROUP B, Invasive			
REGION	Pop	# cases	Incidence
NorthEast Region	176,361	0	0.0
SouthEast Region	248,114	0	0.0
Central Region	158,182	0	0.0
Western Region	188,226	0	0.0
West River	233,472	0	0.0
East River	537,411	0	0.0
South Dakota YTD	770,883	0	0.0





**Other low incidence or newly reportable diseases in South Dakota, YTD2006**

- Hepatitis A, acute 1 case
- Listeriosis, 1 case
- Malaria, 1 case

<b>CHICKEN POX (varicella)</b>				
Region	Pop	# cases	Incidence	Jan
NorthEast Region	176,361	0	0.0	0
SouthEast Region	248,114	2	0.8	2
Central Region	158,182	1	0.6	1
Western Region	188,226	6	3.2	6
West River	233,472	6	2.6	6
East River	537,411	3	0.6	3
South Dakota YTD	770,883	9	1.2	9

<b>MRSA, Invasive</b>				
Region	Pop	# cases	Incidence	Jan
NorthEast Region	176,361	1	0.6	1
SouthEast Region	248,114	0	0.0	0
Central Region	158,182	1	0.6	1
Western Region	188,226	0	0.0	0
West River	233,472	0	0.0	0
East River	537,411	2	0.4	2
South Dakota YTD	770,883	2	0.3	2

\*Methicillin-resistant *Staphylococcus aureus* isolated from a normally sterile site such as blood or cerebral spinal fluid and joint, pleural, or pericardial fluid.

Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>